



Human Resources

DATE POSTED: October 12, 2005

REQ. # 05-249

**NOTICE OF JOB OPENING
ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS
EQUAL OPPORTUNITY EMPLOYER**

2300 Virginia Avenue Fort Pierce, Fl. 34982 – 5652

Telephone (772) 462-1546 Jobline (772) 462-1967

<http://co.st-lucie.fl.us>

This position must be posted for at least five (5) working days from **10-12-2005** TO **10-18-2005**,
but will remain open until filled.

DEPARTMENT/DIVISION
MOSQUITO CONTROL

POSITION AVAILABLE
GROUND LARVICIDING SPECIALIST

OF OPENINGS
1

STARTING SALARY
\$12.13 / hour

COMMENTS

VETERANS PREFERENCE
It is the policy of St. Lucie County to give preference to eligible veterans and spouses of veterans in appointment and retention in county employment positions in accordance with Chapter 295, Florida Statutes, and Chapter 22VP-1, Florida Administrative Code. Copies of Chapter 295 and Chapter 22VP-1 are available for review in the Human Resources Department.

JOB CODE: 897
PAY GRADE : 13
PAY RANGE: \$12.13 - \$18.49
GROUND LARVICIDING SPECIALIST

MAJOR FUNCTION: Technical and oversight work involving field inspections to locate, enumerate and control larval mosquitoes, maintenance of ground larviciding chemical inventory, and maintenance/operation of mosquito attractant traps.

KNOWLEDGE, ABILITIES AND SKILLS NEEDED IN ORDER TO PERFORM THE ESSENTIAL JOB FUNCTIONS: KNOWLEDGE: Knowledge of mosquito biology and behavior. Knowledge of equipment operation, equipment maintenance, materials and procedures used in an Integrated Pest Management (IPM) mosquito control program. Knowledge of Federal, State and Local laws governing pesticide applications and storage, applicable to mosquito control. Knowledge of the rules for safe handling of pesticides and equipment utilized for inspection, impoundment monitoring, ground Ultra Low Volume adulticiding, and ground larviciding. Knowledge of impoundment and/or water quality data record-keeping and analysis. Knowledge of current research and Best Management Practices (BMP) for mosquito control. **ABILITIES:** Ability to implement mosquito and other nuisance arthropod population abundance surveys through standard collection, enumeration and identification techniques, and maintenance of attractant traps used for same. Ability to keep computerized, numeric records, which are readily available, systematic and meaningful. Ability to understand and interpret standard surveillance results. Ability to work with computers. Ability to operate and maintain spraying equipment, especially ground larviciding equipment. Ability to understand and follow oral and written instructions. Must be able to provide oversight duties for ground larviciding operations and be able to make decisions on use of ground larviciding pesticides in the field and maintain an appropriate inventory level of chemicals selected for use. Good physical condition. Ability to maintain an effective working relationship with the public and other employees. Ability to have sufficient physical strength and agility and freedom from disabling defects to perform manual labor (occasionally under adverse weather conditions).

ESSENTIAL JOB FUNCTION: Oversee and perform systematic checks of larval populations of mosquitoes, using a variety of sampling methods, such as; dippers, oviposition cups, vegetative collections (water lettuce, etc.), etc.. Oversee, plan and perform ground larviciding control measures for mosquito larvae. Responsible for maintaining adequate ground larvicide inventory. Responsible for maintenance of adult mosquito attractant traps. Identify and enumerate adult mosquitoes using microscopes and standard techniques. Identify and enumerate mosquito and sandfly populations. Maintain and operate ground larviciding spraying and larval collection equipment. Capable of keeping accurate computerized records. Creates good public relations through accurate and polite explanations of mosquito-related problems to residents. Applies mosquito control insecticides safely, following label instructions. Participate in and instruct subordinates concerning county, state and federal safety regulations; including OSHA, the MSDS program, vehicle safety and equipment safety. Responsible for the placement of fish, predatory mosquitoes and other biological control agents at specific sites, and monitoring of the efficacy of treatments. Responsible for periodic investigation of numerous private sewage and waste water facilities, and institutes corrective action through control efforts, operator contact, or regulatory intervention if necessary. Performs related work as requested or assigned.

ESSENTIAL PHYSICAL SKILLS: Physical strength and agility sufficient to perform inspection tasks under varying weather conditions and work exceptional hours during an emergency. Constant walking, standing, use of both hands and fingers, very frequent light lifting (30 lbs. or less), frequent heavy lifting (30+ lbs). Very frequent light carrying (30lbs or less), reaching above the shoulders, kneeling, sitting, bending and squatting. Good hand/ eye coordination and near and far vision. Good hearing.

ENVIRONMENTAL CONDITION REQUIREMENTS: Indoor duties are required for using a microscope, data processing and analysis, scheduling and various meetings. Frequent work outside under adverse weather conditions of cold, heat, humidity, rain, lightning, and perform duties in and around saltwater, etc.

WORK HAZARDS: Outside work is often in harsh environments such as swamps, ditch banks, orange groves, being subjected to long periods of high sunlight and high temperatures, and where mosquitoes, sandflies and other nuisance arthropods are abundant. Handling of pesticides and other chemicals is required and involves potential physical reactions per label and MSDS statements. Other hazards encountered may include snakes (some poisonous), spiders, wasps, ants, bees and toxic plants (poison ivy, etc.), which occur in natural environments. Normal hazards involved in use of electrically-operated traps, use of chain saws and other power tools.

SAFETY EQUIPMENT USED OR NEEDED: MSDS, Chemical Hygiene Plan, Chemical Spill Procedures Manual, helmet, gloves, goggles, wetsuit, respirators, earplugs, boots, dive boots, lifting belts, chaps and appropriate clothing protection.

EDUCATION: Graduation from an accredited high school or possession of an acceptable equivalency diploma, supplemented by courses in entomology, biology, etc. A comparable amount of training or experience may be substituted for the minimum qualifications.

EXPERIENCE: Three (3) years experience in mosquito control/entomology or related field. Experience in all phases of field and laboratory inspections. A comparable amount of education may be substituted for the minimum qualifications.

LICENSE, CERTIFICATION OR REGISTRATION: Must maintain a Florida Public Health Pest Control License and possess a valid Florida drivers license (CDL class A, B, C or Class D) and maintain a good driving record.

Union ✓	Non-Union	Exempt	Non-Exempt ✓
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